

IN THE CLAIMS:

~~Please amend the claims as follows.~~

1 (Currently Amended) A method for boosting data transmission in a telecommunications system, the method comprising
providing a fixed station, a terminal equipment and a transcoder unit, wherein a
first transmission path connects connecting the terminal equipment with the a fixed
station; and
providing a second transmission path connects connecting the fixed station and
the with a transcoder unit;
wherein transmitting speech parameters on the first transmission path uses using a
first speech coding method; and wherein
converting the speech parameters between the first speech coding method and a
second speech coding method, the second speech coding method being speech coding at a
lower transmission rate than the first speech coding method; and
transmitting the speech parameters at least on a part of the second transmission
path using a the second speech coding method is used, wherein the second speech coding
method is speech coding at a lower transmission rate than the first speech coding method;
and
wherein the speech parameters received from the terminal equipment for
transmission onto the second transmission path are converted into speech parameters of
the second speech coding method and speech parameters to be transmitted to the terminal
equipment on the first transmission path are converted into speech parameters of the first
speech coding method.

2. ~~(Cancelled).~~

3. ~~(Cancelled).~~

4. (Currently Amended) ~~A method for boosting data transmission in a mobile communications system comprising a base transceiver station, a mobile station and a transcoder unit, wherein a transmission path connects the mobile station over a radio path with the base transceiver station,~~

~~wherein the mobile communications system on the radio path uses a first speech coding method, and wherein at least on a part of the transmission path a second speech coding method is used which is speech coding at a lower transmission rate than the first speech coding method, and~~

~~wherein speech parameters received from the mobile station for transmission onto the transmission path are converted into speech parameters of the second speech coding method and speech parameters to be transmitted to the mobile station on the radio path are converted into speech parameters of the first speech coding method~~A method according to claim 1, wherein providing the first transmission path comprises providing the first transmission path over a radio path connecting a base transceiver station and a mobile station.

5. (Cancelled).

6. (Currently Amended) An arrangement for boosting data transmission in a telecommunications system comprising a fixed station, a terminal equipment, and a transcoder unit, wherein the arrangement comprising

a first transmission path connects connecting the terminal equipment with the fixed station,— configured to use a first speech coding method to transmit speech parameters; and

a second transmission path ~~connects~~ connecting the fixed station and the transcoder unit configured to use a second speech coding method to transmit the speech parameters;

~~wherein the first transmission path uses a first speech coding method, and~~

~~wherein at least one first speech coder for~~ configured to converting the speech parameters to be transmitted between the first speech coding method and the second speech coding method, wherein the second speech coding method is used on the transmission path on the transmission connection between the speech coder and the transcoder unit and the second speech coding method is being speech coding at a lower transmission rate than the first speech coding method.

DI 7. (Previously Presented) Arrangement as defined in claim 6, wherein the first speech coder is located in connection with the fixed station.

8. (Currently Amended) Arrangement as defined in claim 6, further comprising ~~wherein the arrangement includes a telecommunications network~~

at least one second speech coder ~~for~~ configured to converting the speech parameters to be transmitted from one between the first speech coding method into and the second speech coding method so that the second speech coding method is used on the said; and

a transmission path on the transmission connection between the first speech coder and the second speech coder, said transmission path being configured to use the second speech coding method.

9. (Previously Presented) Arrangement as defined in claim 8, wherein the second speech coder is located in connection with the transcoder unit.

10. (Currently Amended) A mobile communications system comprising

a base transceiver station;

a mobile station; and

a transcoder unit,

wherein a first transmission path connects ~~connecting~~ the mobile station ~~over a radio path~~ with the base transceiver station, the first transmission path being configured to use

wherein ~~the mobile communications system on the radio path uses~~ a first speech coding method to transmit speech parameters; and

wherein ~~at least one first speech coder for~~ configured to converting the speech parameters to be transmitted between a ~~the first speech coding method~~ and a second speech coding method, wherein the second speech coding method is used to transmit the speech parameters on the ~~a transmission path on the transmission connection between the first speech coder and the transcoder unit, and the second speech coding method is being~~ speech coding of a lower transmission rate than the first speech coding method.

11. (Previously Presented) Mobile communications system as defined in claim 10, wherein the first speech coder is located in connection with the base transceiver station.

12. (Currently Amended) Mobile communications system as defined in claim 10, ~~wherein the mobile communications system includes in a mobile communications network~~ further comprising:

at least one second speech coder ~~for~~ configured to converting the speech parameters to be transmitted from one ~~between the first speech coding method into and a~~ the second speech coding method; and so that the second speech coding method is used on the said

a transmission path ~~on the transmission connection between the first speech coder and the second speech coder~~, said transmission path being configured to use the second speech coding method.

13. (Previously Presented) Mobile communications system as defined in claim 12, wherein the second speech coder is located in connection with the transcoder unit.

DI 14. (Currently Amended) A telecommunication system ~~having comprising~~ terminal equipment connected to a network side of ~~said the telecommunications network system~~ over a first transmission path ~~using configured to transmit speech parameters of using~~ a first speech coding method, the network side comprising:

a fixed station connected to a ~~transeoding transcoder~~ unit over a second transmission path ~~using configured to transmit the speech parameters of using~~ a second speech coding method; and

a speech coder ~~for configured to receiving receive~~ the speech parameters from the terminal equipment ~~transmitted at a first speech coding rate and to converting them into the speech parameters of into the speech parameters of the second speech coding typemethod, and or to receive the in the opposite direction the speech coder can convert~~ speech parameters to be transmitted to the terminal equipment and to convert the speech parameters into the speech parameters of the first speech coding method.